$\textbf{araCpO -2'OMeCpS} \quad \textbf{1} \qquad \textbf{X} = \textbf{S} \quad \textbf{Y} = \beta - \textbf{OH} \quad \textbf{Z} = \alpha - \textbf{OMe} \quad \textbf{Base} = \textbf{Cytosine} \quad \textbf{n} = 1,2,3,4$ 

 $\textbf{araCpO-2'OMeCpO} \qquad \textbf{2} \qquad \textbf{X} = \textbf{O} \quad \textbf{Y} = \beta - \textbf{OH} \qquad \textbf{Z} = \alpha - \textbf{OMe} \quad \text{Base = Cytosine} \quad \textbf{n} = 1,2,3,4$ 

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**araCpO-2'OmearaCpO** 3 X = O  $Y = \beta - OH$   $Z = \beta - OMe$  Base = Cytosine n = 1,2,3,4

FIGURE 4

**2CIdApO-2CIdApS** 4 X = S Y = H Z = H Base = 2-CI-Adenine n = 1,2,3,4

**2FaraApO-2FaraApS** 5 X = S  $Y = \beta - OH$  Base = 2-F-Adenine n = 1,2,3,4

**5FdUpO-5FdUpS** 6 X = S Y = H Z = H Base = 5-Fluorouracil n = 1,2,3,4

R = Me, Et, iPr, allyl, alkyls ( $C_{2^-35}$ ) containing one or more O, N, S atom, methoxyethyl, dimethylaminoethyl,

14 Y=H

Base = 2-Cl-Adenine

n = 1,2,3,4

FIGURE 9

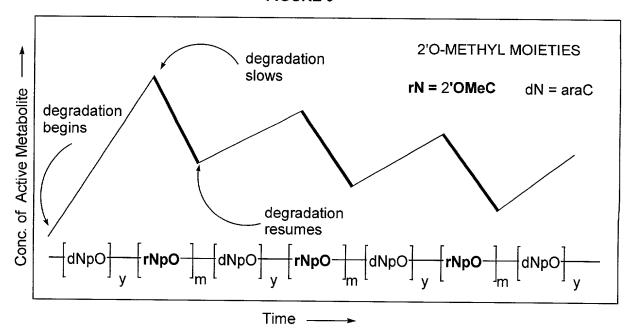
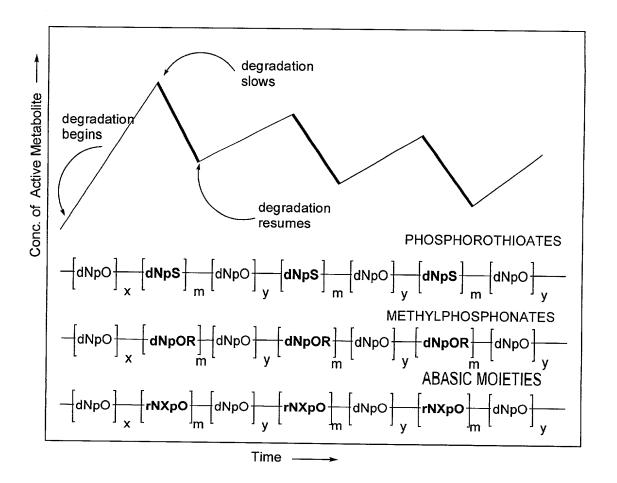


FIGURE 10



X=O,S Z=OR m, n, p = 1-10

Base<sub>1</sub> = cytosine, adenine, 2,6-diaminopurine

Base<sub>2</sub> = cytosine, adenine, 2,6-diaminopurine, guanine, uridine etc